

# **Application of Nano-Cu Particle - Activated Porous Carbon Composites for Capacitor Electrode**

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Previously, we have reported that carbon composite material in which the nano-scale metallic compounds were highly dispersed could be prepared by a carbothermal reduction of the Cu<sup>2+</sup> ion-exchanged resin. We found that the nano scale Cu particle and porous carbon composite prepared from ion exchange resin<sup>1</sup>) and sawdust<sup>2</sup>) had high capacitance (140F/g) for the electrode for an EDLC (30massIn this study, the Cu-carbon electrode prepared by carbonization and activation of sawdust immersed in Cu<sup>2+</sup> aq. solution was examined for the EDLC electrode.